

B. E. S. & T. UNDERTAKING

Annexure - VII

Performance Report regarding Reliability Indices
Format for Quarterly Returns to be submitted to the Commission by the Distribution Licensee

(i) System Average Interruption Duration Index (SAIDI)

January 22 to March 22

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Jan-22	212981	24.43	1043163	5202137	4.99
2	Feb-22	195279	31.63	1043163	6177392	5.92
3	Mar-22	258600	26.85	1043163	6942177	6.65
Total						17.56

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Jan-22	212981	212981	1043163	0.20
2	Feb-22	195279	195279	1043163	0.19
3	Mar-22	258600	258600	1043163	0.25
Total					0.64

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Jan-22	4.99	0.20	24.43
2	Feb-22	5.92	0.19	31.63
3	Mar-22	6.65	0.25	26.85
Total		17.56	0.64	27.47

(iv) Customer Average Interruption Duration Index (CAIDI) For HT consumer

Sr. no.	Month	Ni=Number of Consumer who experienced a sustained interruption	Ri=Restoration time for each interruption event of HT Consumers	Sum, (Ri*Ni) for all HT Consumers	CAIDI=(5)/(3)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jan-22	38	24.03	913	24.03
2	Feb-22	29	27.48	797	27.48
3	Mar-22	32	27.53	881	27.53
Total		99		2591	26.17